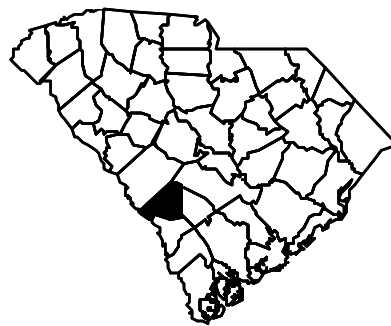


# ASTHMA IN BARNWELL COUNTY



*Produced by the S.C. Department of Health and Environmental Control for Asthma Awareness Month*

*(May 2003)*

## Impact of Asthma in the United States

- U.S. asthma lifetime cases more than doubled from an estimated 6.7 million to 31.3 million between 1980 and 2001.
- Costs for asthma have almost tripled from an estimated \$6.2 billion in 1990, to over \$16 billion in 2001.
- Five million U.S. children are asthmatic, more than the entire population of South Carolina.
- 4,222 people died of asthma in 2001.

## Asthma in South Carolina

- Annually about 264,000 South Carolinians suffer from asthma.
- In 2001, 1.2% (5,785) of ALL hospitalizations were for asthma.
- Asthma claimed the lives of 77 South Carolinians in 2001.

## Impact of Asthma in Barnwell County

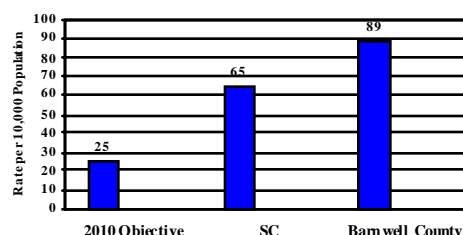
- About 2,682 (11.4%) adults in Barnwell county suffer annually from asthma.
- In 2001, there were 43 hospitalizations for asthma in Barnwell county for all ages.

## Children Suffer the Most from Asthma

- Asthma/Bronchitis is the 2<sup>nd</sup> leading cause of hospitalization in Barnwell county for children under the age 18.

- In 2001, there were 19 asthma hospitalizations of children (<18 years) in Barnwell county.
- Healthy People 2010 Objective for asthma hospitalizations among children under age 5 years is 25 per 10,000 children.
- Barnwell county had a rate of 89 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 65 per 10,000 children.

Comparison of Asthma Hospitalization Rates, Children Aged 0-5, Barnwell County, 2001

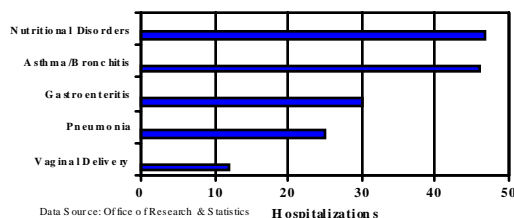


Data Source: Office of Research & Statistics

## Cost of Asthma

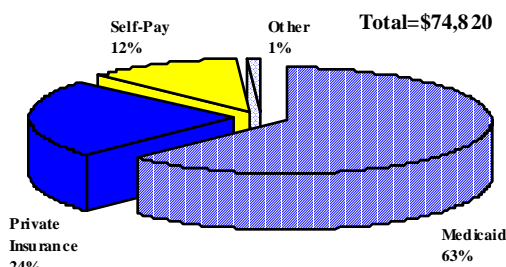
- \$74,820 was charged in 2001 for hospital and ER visits in Barnwell county for asthmatic children (<18 years).
- Medicaid covered nearly 63% of these charges.

Leading Causes of Hospitalization in Children Aged 0-18, Barnwell County, 2001



Data Source: Office of Research & Statistics

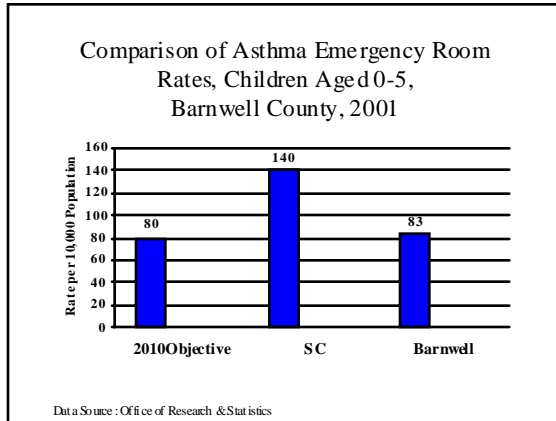
Percent Distribution of Asthma Related ER & Hospitalization Charges of Children Aged 0-18, Barnwell County, 2001



Data Source: Office of Research & Statistics

## Emergency Room

- 31 children under the age of 18 visited the ER due to asthma in Barnwell county in 2001. This represents 45% of all ER visits due to asthma.
- \$15,220 was charged for ER visits in Barnwell county for asthmatic children (< 18 years) in 2001.



- Healthy People 2010 Objective for asthma related ER visits among children under age 5 years old is 80 per 10,000 children.
- Barnwell county had an ER rate of 83 per 10,000 children under the age of 5 in 2000, compared to South Carolina's 140 per 10,000 children.

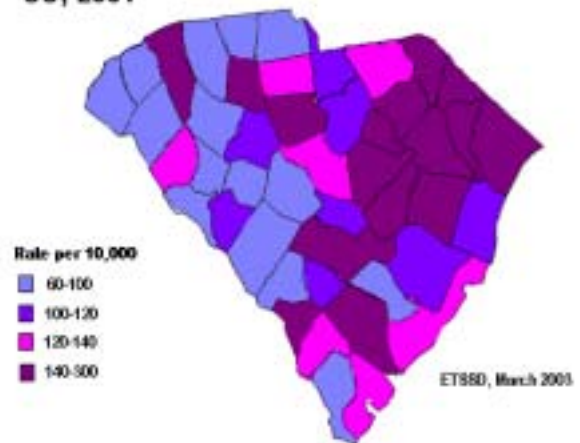


## Disparities

- Non-white children under the age of 18 visit the ER more frequently than white children in the same age group.
- The hospitalization rate among non-white children is higher than that of white children.

Hospital and Emergency Room Rates per 10,000 Children (< 18 years), 2001				
	Barnwell County		South Carolina	
	White	Non-white	White	Non-white
Hospital	22.6	35.3	19.2	41.5
ER	35.5	58.9	46	155.5

Asthma Related Hospital and ER Visits Rate for Children Younger than 18 SC, 2001



### For more information on asthma contact:

SC DHEC Data Sources:

#### Behavior Risk Factor Surveillance System

Bureau of Epidemiology  
(803) 545-4920

#### Vital Records

Division of Biostatistics  
(803) 898-3649

#### Bureau of Air Quality

Outreach Section  
(803) 898-4467

[www.scdhec.net](http://www.scdhec.net)

Generated By:

Epi Technical Support and Services Division  
Bureau of Epidemiology

### Hospital discharges and ER visits, contact:

Office of Research and Statistics  
SC Budget and Control Board  
1919 Blanding Street  
Columbia, SC 29201  
(803) 898-9958



[www.orss.state.sc.us/hd/](http://www.orss.state.sc.us/hd/)

